

## ABSTRACT

Specific nucleic acid sequences, e.g., SEQ ID NOS:1-57, for simultaneous detection of seven most common viruses that cause respiratory infections in human, i.e., human parainfluenza virus 1, human parainfluenza virus 2, human parainfluenza virus 3, respiratory syncytial virus, influenza virus A, influenza virus B, and adenovirus. Also disclosed is a method of simultaneously detecting these viruses. The method includes providing a nucleic acid prepared from a sample suspected of containing a virus to be detected, amplifying the nucleic acid with a set of primers specific for one or more of the seven viruses, and detecting amplification products. Detection of an amplification product specific for any one of the seven viruses indicates the presence of that particular virus.

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